

# GENEALOGY DATABASE ENTRY

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1893 - 1977

DEGREE: PhD

DATE: 1926

PLACE: CalTech

TEACHER/RESEARCH ADVISOR: Noyes, A. A.

pioneered the applications of Raman spectroscopy to the determination of molecular structure and the thermodynamic properties of interhalogen compounds, main group halides,  $\text{SiH}_4$ ,  $\text{D}_2$ , and halocarbons; with Ridenour and McMillan, founded the chemistry of artificially radioactive elements; investigated chemical kinetics, esp. the catalytic effect of silver on oxidation reactions; studied gas equilibria, esp. the discovery of  $\text{SeBr}_2$  in equilibrium with  $\text{SeBr}_4$ ; investigated chemical effects of X-rays, electrochemistry, chemistry of the platinum metals, low-temperature thermodynamics, esp. measurements of entropies, and the photochemistry of europium(II); explored radio and microwave spectroscopy; attempted to prepare xenon fluorides in 1933.

1. *Eng. Sci.* **1977**, (Oct-Nov), 28-29.